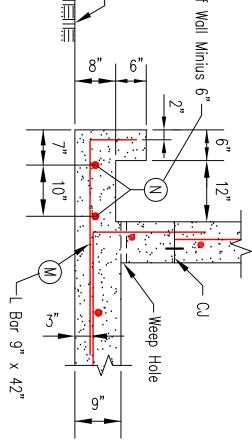


- 1. fc' = 4000 PSI fc'' = 1600 PSIfs = 24,000 PSI
- The weight of the manure with bedding and free stall manure was assumed as 45 and 60 pcf respectivelly. fy = 60,000 PSI
- The 8" sidewall and 9" floor shall have two rows of steel. All steel placed in the 8" sidewall and 9" floor shall have a when the concrete is deposited on or against the earth, then the minimum concrete cover over reinforcement of two inches, except minimum concrete cover shall be three inches.
- The manure pit walls will withstand 60 pcf/ft. of fluid pressure.
- The backfill loading was assumed to be 60 pcf/ft of equivalent
- The wall will be built with expansion joints (see Expansion Joint Detail—Wall). No section of wall will be over 30' long between expansion
- Opening in wall will be installed as shown on the plan.

The 5" floor slab shall be rock. Use number 4 bars Place concrete on top of for steel placed against earth shall be 3" minimum. @ 15" spacing each way. Concrete cover 6 inch layer of coarse gravel or crushed constructed by the following method:



IL-ENG-171A
Drawing No. United States Department of Agriculture

<u> TER DETAIL</u>

Natural Resources Conservation

MANURE STORAGE FACILITY 4' HIGH R/C WALL

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